

## TwistFlex PBR/UBR220, 0.9m

Twistable and flexible rectangular waveguide R220, with PBR/UBR 220 flanges. Length = 0.9m, core with environmental impact resistant molded rubber jacket. Hardware and gasket (for PDR/PBR flanges) included.



### FEATURES / BENEFITS

- ➞ The flexible and twistable rectangular waveguide component eliminates installation difficulties
- ➞ It isolates vibration
- ➞ It provides simple aid to positioning of antennas

### Technical Features

#### STRUCTURE

|                                         |  |                 |
|-----------------------------------------|--|-----------------|
| Type of Rectangular Waveguide Component |  | TwistFlex       |
| Waveguide Size IEC (EIA)                |  | R220 (WR42)     |
| Flange A                                |  | PBR220          |
| Flange B                                |  | UBR220          |
| Flange Finish                           |  | Brass un-plated |
| Package Quantity                        |  | 1               |

#### ELECTRICAL SPECIFICATIONS

|                                 |           |             |
|---------------------------------|-----------|-------------|
| Frequency Range                 | GHz       | 18 - 26.5   |
| Minimum Return Loss (max. VSWR) | dB (VSWR) | 20.8 (1.20) |
| Attenuation                     | dB        | 1.13        |
| Power rating                    | W         | 100.0       |

#### MECHANICAL SPECIFICATIONS

|                                |                      |            |
|--------------------------------|----------------------|------------|
| Maximum Twist                  | degree/m (degree/ft) | 270 (82.3) |
| Minimum Bending Radius E-Plane | mm (in)              | 38 (1.5)   |
| Minimum Bending Radius H-Plane | mm (in)              | 75 (3)     |
| Length                         | mm (in)              | 900 (35.4) |

#### MATERIAL

|          |  |                                                                                  |
|----------|--|----------------------------------------------------------------------------------|
| Material |  | Core: Brass silver plated<br>Jacket: Vulcanised Neoprene Rubber<br>Flange: Brass |
| Color    |  | Black                                                                            |

### External Document Links

AN 030707-8 Application note for RFS Twistflex

### Notes